United States Patent [19]

Hurka et al.

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[54] **INHALER**

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[52] **U.S. Cl.** **128/203.15**; 128/203.23; 604/58

[58] **Field of Search** 128/203.15, 203.23; 604/57, 58; 222/224

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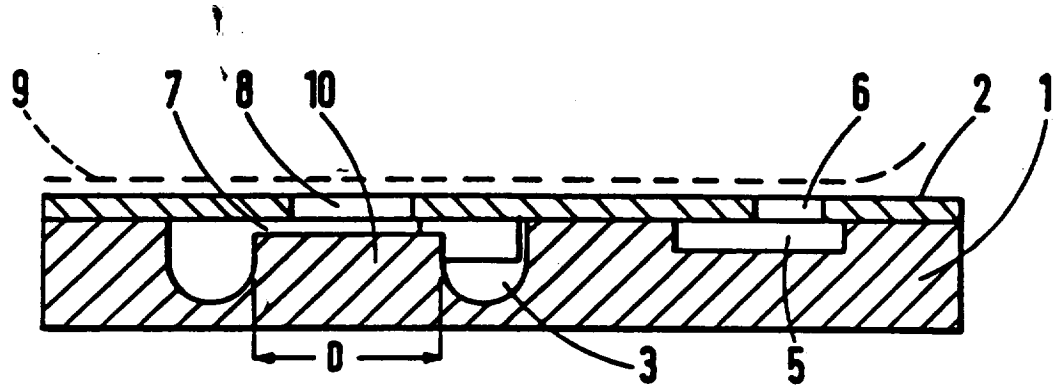
[57] **ABSTRACT**

An inhaler is described for introducing a solid substance in particulate form into the inhaled air of a user. The inhaler comprises a body in which is provided an endless orbital path 3 for one or more balls 4. Air enters the path via an air inlet optionally through an intake conduit. Air leaves the orbital path 3 in a centripetal direction through an air discharge system and an air outlet. The solid substance to be inhaled is provided, preferably in the form of a film, on the surface of the orbital path or on the surface of the ball. A user inhales through the air outlet 8, and this causes air to be drawn into the orbital path through the air inlet. This causes the ball to circulate around the orbital path, in which process solid substance is dislodged and caused to flow with the air out through the outlet.

16 Claims, 4 Drawing Sheets



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